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RECENT LITERATURE

STATISTICAL BOOKS

Bonbright, James C. Railroad capitalization: a study of the principles of regulation of railroad securities. New York, Longmans, Green and Co., 1920. 206 pp. (Columbia University Studies in History, Economics, and Public Law. Whole No. 215.)

Burgess, May Ayres. The measurement of silent reading. New York, Russell Sage Foundation, 1921. 163 pp.

Dickson, Leonard E. History of the theory of numbers. Washington, Carnegie Institution of Washington, 1919. 2 v. Vol. 1. Divisibility and primality. Vol. 2. Diophantine analysis.

Howard, Stanley E. The movement of wages in the cotton manufacturing industry of New England since 1860. Boston, National Council of American Cotton Manufacturers, 1920. 99 pp.

Julin, Armand. Principes de statistique théorique et appliquée; avec une préface de M. Lucien March. Paris, Marcel Rivière, 1921. Vol. 1. Statistique théorique. xxiii, 712 pp.

Kiernan, T. J. British war finance and the consequences. London, P. S. King and Son, 1921. vi, 134 pp.

Liesse, André. La statistique, ses difficultés, ses procédés, ses résultats. 3e éd. Paris, Librairie Félix Alcan, 1919. viii, 192 pp.

Lyons, Vyvyan A. Wages and empire. New York, Longmans, Green and Co., 1920. 96 pp.

National Industrial Conference Board. Changes in the cost of living, July, 1914–November, 1920. New York, 1920. 29 pp.

— — — Changes in wages during and since the war: September, 1914–March, 1920. New York, 1920. x, 53 pp.

— — — The cost of living among wage-earners; Worcester, Mass., June, 1920. New York, 1920. 16 pp.

— — — Hours of work as related to output and health of workers. Boston, 1918–19. 5v. Boot and shoe industry. Cotton manufacturing. Metal manufacturing industries. Silk manufacturing. Wool manufacturing.

— — — The hours of work problem in five major industries. New York, 1920. x, 91 pp.

— — — Practical experience with the work week of forty-eight hours or less. New York, 1921. ix, 88 pp.

Wallace, Henry A. Agricultural prices. Des Moines, Iowa, Wallace Publishing Co., 1920. 224 pp.

Wicksell, S. D. Beiträge zum Studium der Bravais' schen Funktion. Stockholm, 1920. 12 pp.

— — — Elementen av statistikens teori med särskild hänsyn till befolkningsstatistiken. Stockholm, 1920. viii, 176 pp. (Elements of theoretical statistics, with special reference to vital statistics.)

UNITED STATES GOVERNMENT PUBLICATIONS

United States. Bureau of the Census. 14th Census of the United States, 1920. Bulletins. Population: Alabama, Alaska, Arizona, Arkansas, California, Indi-

ana, Iowa, Kentucky, Maine, New Jersey, Utah, West Virginia, Wyoming. Agriculture: Alabama, Maine, Maryland, Ohio, Rhode Island, Tennessee, Utah, Vermont.

Irrigation: Washington.

- Cotton production and distribution; season of 1919–20. Washington, 1920. 135 pp.
- Children's Bureau. Infant mortality; results of a field study in Akron, Ohio, based on births in one year, by T. S. Haley. Washington, 1920. 118 pp.
- Bureau of Education. Organization of state departments of education, by L. A. Kalbach and A. O. Neal. Washington, 1920. 48 pp.
- — Report of the Commissioner of Education for the year ended June 30, 1920. Washington, 1920. 134 pp.
- — Salaries of principals of high schools, by W. T. Bawden. Washington, 1920. 15 pp.
- — Statistical survey of education, 1917–18. Washington, 1920. 48 pp.
- — Statistics of state universities and state colleges for the year ended June 30, 1919, with statistical summary of higher education, public and private, for the year 1917–18. Washington, 1921. 28 pp.
- — A survey of education in Hawaii. Washington, 1920. 408 pp.
- — Survey of the schools of Brunswick and Glynn county, Georgia. Washington, 1920. 82 pp.
- Federal Reserve Board. *Federal Reserve Bulletin*, January–February, 1921. Each issue contains: Review of the month; business, industry and finance; prices; discount and interest rates; retail trade index; foreign trade index; physical volume of trade; operations of the Federal Reserve clearing system; resources and liabilities of the Federal Reserve Banks; condition of member banks in selected cities; etc. January. Federal Reserve Banking during 1920. Recent monetary and exchange developments in India. Fluctuation in loans and discounts of eleven banks of New York City, 1913–19. The investment trust as a channel for investment abroad.
- February. Earnings and expenses of the Federal Reserve Banks for 1920. British floating debt. French war finance. The world's shipping: a statistical survey.
- — New York. Monthly review of credit and business conditions in the Second federal reserve district. January–March, 1921.
- Federal Trade Commission. Annual report for the fiscal year ended June 30, 1920. Washington, 1921. 192 pp.
- — Cost reports. Coal. No. 7, Trans-Mississippi states—bituminous. June 30, 1919. Washington, 1921. 459 pp.
- — Report on sugar supply and prices, November 15, 1920. Washington, 1920. 205 pp.
- — Report on the grain trade. September 15, 1920. Washington, 1920. 3v. Volume 1. Country grain marketing. Volume 2. Terminal grain markets and exchanges. Volume 5. Future trading operations in grain.
- — Report on the petroleum industry of Wyoming. January 3, 1921. Washington, 1921. 54 pp.
- Bureau of Foreign and Domestic Commerce. Monthly summary of foreign commerce of the United States. November–December, 1920. January, 1921.
- Commissioner of Internal Revenue. Annual report for the fiscal year ended June 30, 1920. Washington, 1920. 230 pp.

- Geological Survey. Coal in 1918. Part B. Distribution and consumption by C. E. Lesher. Washington, 1920. Pp. 1315-1392.
- Bureau of Labor Statistics. Bulletins. No. 263: Housing by employers in the United States by L. Magnusson. Washington, 1920. 283 pp. No. 273: Proceedings of the Sixth annual meeting of the International Association of industrial accident boards and commissions, held at Toronto, Canada, September 23-26, 1919. Washington, 1920. 424 pp.
- — Monthly labor review. December, 1920-February, 1921. Each number contains sections devoted to prices and cost of living, wages and hours of labor, employment and unemployment, etc. December. E. Stewart: A plea for more adequate compensation rates. M. Conyngton: Separations from the government service. Wages in Denmark in 1914, 1919 and 1920.
- January. S. Jacob: Immigrant farm colonies in southern New Jersey. C. R. Walker, jr.: A national council for the printing trades. H. S. Woodbury: Working children of Boston.
- February. E. Stewart: Tonnage output per pick miner per day in bituminous coal fields. Index numbers of wages per hour, 1840 to 1920. A Maylander: Production and labor conditions in German hard-coal fields.
- Bureau of Mines. Reports of investigations, February-March, 1921. February. Coöperative mining at the Keely mine, Dugger, Indiana by J. J. Bourquin. 3 pp. March. Working for the miner's safety by D. A. Lyon. 3 pp.
- — Refinery statistics, November-December, 1920.
- Public Health Service. Public health reports, December 31, 1920-March 11, 1921. Each number contains: Deaths during the preceding week; Prevalence of disease—U. S., foreign and insular.
- December 31. C. P. Knight: Progress report on field investigations in child hygiene in the state of Missouri to June 30, 1920. D. K. Brundage: Diseases prevalent among steel workers in a Pennsylvania city.
- January 21. E. Donaldson: Syphilis as a cause of insanity.
- January 28. R. R. Sayers and D. Harrington: A preliminary study of the physiological effects of high temperatures and high humidities in metal mines.
- February 4. W. H. Drury: The incidence of tuberculosis among polishers and grinders in an ax factory.
- February 11. H. F. Smith: Epidemic encephalitis: report of studies conducted in the United States.
- February 18. R. Pearl: Further data on the correlation of explosiveness of outbreak of the 1918 epidemic.
- February 25. The notifiable diseases—Prevalence during 1919 in States. Smallpox in the United States, 1920.
- March 4. Sickness frequency among industrial employees. Morbidity among a group of wage earners during the first nine months of 1920.
- March 11. A. H. Ryan: The hours of work in relation to quality of output.
- Sugar Equalization Board. A statistical survey of the sugar industry and trade of the United States. Statistics of stocks, receipts, meltings, distribution and exports of sugar in the years 1918 and 1919, by J. Bernhardt. New York, 1920. xiii, 113 pp.

WISCONSIN

Wisconsin. Industrial Commission. Biennial report, 1918-1920. Madison, Wisconsin, 1920. 93 pp.

ARTICLES IN PERIODICALS

American Economic Review. December, 1920–March, 1921.

December. F. A. Fetter: Price economics versus welfare economics: contemporary opinion. W. I. King: Circulating credit: its nature and relation to the public welfare. P. F. Brissenden: The Butte miners and the rustling card.

C. C. Arbuthnot: A "stabilized dollar" would produce violent changes in periods of falling prices. F. R. Fairchild: Suggestions for revision of the federal taxation of income and profits.

December, Supplement. The taxation of excess profits in Great Britain. A study of the British excess profits duty in relation to the problem of excess profits taxation in the United States. A report prepared for the Committee on War Finance of the American Economic Association, by R. M. Haig and G. E. Holmes.

March. H. J. Davenport: The post-war outlook. O. M. W. Sprague: Discount policy of Federal Reserve Banks. Leo Wolman: The theory of production. W. W. Stewart: An index number of production. J. R. Commons: The Webbs' Constitution for the socialist commonwealth.

March, Supplement. The papers and proceedings of the 33d Annual meeting of the American Economic Association, Atlantic City, December, 1920.

American Labor Legislation Review. December, 1920–March, 1921.

December. J. B. Andrews: Unemployment prevention and insurance.

March. Unemployment: a problem of industry discussed by Whiting Williams, S. Hillman, and others. Health insurance for wage-earners' families by L. D. Wald, I. O. Andrews, J. B. Andrews and others.

Bulletin de l'Institut international de statistique. Volume 20. 3 parts. The Hague, 1915. Part 1. Proceedings of the 14th Session of the International Institute of Statistics held at Vienna, September, 1913. Part 2. Reports and papers presented at the meeting. Part 3. Index of Volumes 1–20.

Economica. Issued terminally by the London School of Economics and Political Science.

January, 1921. Contents: W. H. Beveridge: Economics as a liberal education. H. Finer: The group system in France. E. Cannan: Bank deposits. T. E. Gregory: The economics of employment in England, 1660–1713. P. Campbell: Asiatic immigration into Australia. E. W. Shanahan: The new international frontiers. S. Bushell: The relative importance of co-operative and other retail traders. M. Hogg: Dependents on women wage earners. H. J. Laski: Recent contributions to political science.

L'Economista. Rome. December 5, 1920–February 20, 1921.

December 5. *Statistica elettorale.* Il porto di Genova.

December 12. I cambi e la crisi. Dati statistici e note sulle Banche di credito mobiliare.

December 19. Dati statistici e note sugli Instituti di emissione.

January 2. I prezzi all'ingrosso delle merci in Italia nel novembre 1920.

January 9. G. Angiolini: Per il ribasso dei prezzi.

January 16. Il ribasso mondiale dei prezzi nel 1920.

January 23. L'oro in rapporto al traffico mondiale.

January 30. Numeri indici dei prezzi all'ingresso delle merci in Italia nell'anno 1920. Il mercato finanziario nel mese di dicembre 1920. La condizioni delle circulazione monetaria mondiale.

February 6. R. Bachi: I prezzi all'ingrosso delle merci nel 1920.

February 13. Il prezzo del pane. Nuove serie di numeri indici dei prezzi all'ingrosso delle merci in Italia. Il mercato finanziario in Italia nel gennaio 1921.

February 20. R. Michels: Cenni sulle attuali strettezze economiche dei ceti intellettuali.

Giornale degli Economisti e Rivista di Statistica. November, 1920—January, 1921.

November. A. Canaletti Gaudenti: Esportazioni, censimenti agrari e requisizioni nel settecento a Roma. G. Majorana: Il controllo. D. Guidi: Il mercato dei nolie quello del tonnellaggio.

December. B. Griziotti: La soluzione dei problemi finanziari dopo la guerra nella letteratura italiana. F. Vinci: I lavori della conferenza finanziari di Bruxelles. A Carnelutti: Il mercato del cambio nel Sud America e più specialmente al Cile. G. Angrisani: Ancora per gli studi di scienze sociali ed i diplomi scientifici.

January. A. Contento: Sulla misura delle variazioni del costo della vita. C. Barbagallo: Note di storia demografica. P. de Rédiadis: Nuova metodo di determinazione del reddito nazionale. A. Carnelutti: I prestiti italiani collocati all'estero e il lanciamento di un nuovo prestito speciale in oro.

International Crop Report and Agricultural Statistics. Rome. (International Institute of Agriculture.) May—November, 1920. Contents: Crops of the agricultural year 1919—1920 in the northern hemisphere, in the southern hemisphere; sugar-producing season 1919—20; live stock statistics; trade; stocks; prices, exchange and ocean freight rates.

International Journal of Public Health. January—February, 1921. F. Valagussa: The influence of post-war conditions on the feeding of children. H. Westergaard: Public health before and after the war. C. W. Eliot: Present and future social hygiene in America. E. Leredde: The organization of the campaign against syphilis in France. K. Shiga: Early treatment and protective inoculation in tuberculosis. F. S. Wright: The development and present scope of industrial nursing in the United States.

Journal de la Société de Statistique de Paris. November, 1920—January, 1921.

November. E. Michel: La valeur immobilière du territoire français envahi, (guerre 1914—18) (fortune privée) et la réconstitution des régions libérées. J. Girard: La situation financière du Japon en 1919.

December. Les établissements de crédit en France. Leur rôle, leur développement, leurs opérations. E. B. Dubern: La mobilisation des valeurs étrangères en Angleterre.

January. E. Michel: La valeur immobilière des régions libérées: Contribution à l'étude des dommages de guerre.

Journal of Political Economy. December, 1920—March, 1921.

December. M. A. Copeland: Seasonal problems in financial administration. H. G. Moulton: Commercial credits or discount companies. M. W. Watkins: The labor situation in Detroit.

January. H. B. Drury: The labor policy of the Shipping Board. E. B. Biggar: The Ontario power commission: its origin and development. H. L. Reed: The work of the Federal Reserve Board.

February. P. H. Douglas: Shop committees: substitute for, or supplement to, trades-unions? J. G. Thompson: Mobility of the factors of production as affecting variation in their proportional relation to each other in farm organization. O. C. Lockhart: The development of interbank borrowing in the national system 1869—1914.

March. L. D. White: The origin of utility commissions in Massachusetts. C. R. Noyes: "The stabilizing of the dollar." G. R. Davies: The quantity theory and recent statistical studies. O. C. Lockhart: The development of interbank borrowing in the national system, 1869-1914. II.

Journal of the Indian Economic Society. June, 1920. B. K. Sarkar: The economics of Hindu craft gilds and gild merchants. R. M. Joshi: The Mestor Committee's Report. C. S. Deole: The place of coöperation in economics.

Journal of the Institute of Bankers. January-March, 1921.

January. J. F. Darling: Stabilisation of imperial exchanges.

March. F. Shewell Cooper: Company law in relation to bankers.

Metropolitan Life Insurance Co. Statistical Bulletin. December, 1920-February, 1921. Each number contains the mortality record of the preceding month.

December. Fewer homicides during 1920. Community loss from accidents.

January. 1920 another record health year: fewer deaths from tuberculosis, influenza, pneumonia and accidents in the Metropolitan Life Insurance Co. Automobile accidents increasing. Diphtheria rate higher. Increase in the death rate for maternal diseases.

February. Forty-seven millions disbursed in death claims on account of principal diseases and conditions during 1920. Loss in expectation of life on account of organic heart diseases.

Le Musée Social. Mémoires et documents. September-December, 1920.

September. G. Risler: Pour le développement de la natalité française.

October. Une contribution nationale en faveur des familles nombreuses : 1. Raisons qui justifient l'institution d'une contribution nationale et d'une assurance familiale en faveur des familles nombreuses par G. Lacoin. 2. Organisation financière d'une caisse nationale des grandes familles par J. Corréard.

November-December. A. de Tarde: Les compagnons de l'intelligence et l'organisation des forces intellectuelles.

Nationalkonomisk Tidsskrift. 5-6 Hefte, 1920. 1ste Hefte, 1921.

5-6 Hefte. J. H. Jrgensen: Denmarks finanser gennem Krigsaarene. K. Korst: Merindfrselen og valutæn. J. Davidsohn: Det nye tyske skastelov-skompleks. J. Toftegaard: Landbokommisionen af 1911.

1ste. Hefte. J. Dalhoff: Krigsaarenes Inpolitik. P. Schou: Amerika og folkenes forbund. J. Warming: Huslejelovens gradvise afsning af værdistigningsskat.

Quarterly Journal of Economics. February, 1921. G. Jèze: The economic and financial position of France in 1920. H. L. Moore: Generating cycles of products and prices. G. E. Barnett: Index numbers of the total cost of living. K. Simpson: A statistical analysis of the relation between cost and price. W. J. Cunningham: The railroads under government operation. I. To the close of 1918.

Review of Economic Statistics. January-March, 1921. Each number contains: Monthly survey of general business conditions. I. The index. II. Economic summary. III. Statistical summary.

January. Review of the year 1920. The competitive situation in South American trade. An index of the physical volume of production. IV. Agriculture, mining and manufacture combined, 1899-1919.

February. W. M. Persons: Bank loans and the business cycle. Production, prices and aggregate values of crops. Physical production in 1920.

March. J. H. Williams: Argentine foreign exchange and trade since the armistice.

Revue d'Economie Politique. November-December, 1920. P. J. C. Tetrode: La Banque néerlandaise pendant la guerre. W. J. Nijgh: Le crédit hollandais à l'Allemagne. A. Mennes: La renaissance industrielle de la Belgique. B. Nogaro: L'introduction de la main-d'oeuvre étrangère pendant la guerre. C. Mourre: La loi de huit heures et sa répercussion sur le pouvoir d'achat des différentes catégories sociales. J. Moret: Jean Bodin et la vie chère.

OTHER BOOKS RECEIVED

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Frankfurter Verein für Geographie und Statistik. *Jahresbericht, 1914-1919*. Frankfurt am Main, 1916-19. 2v. Contents: 1914-16. J. B. L. Hol: Beiträge zur Hydrographie der Ardennen. 1916-19. O. Maull: Die Landschaft um Marburg a. d. L. in ihren morphologischen Beziehungen zur weiteren Umgebung.

Iwasaki, Uichi. *The working forces in Japanese politics. A brief account of political conflicts, 1867-1920*. New York, Longmans, Green and Co., 1921. (Columbia University Studies in History, Economics, and Public Law. Whole No. 220.)

Journal of the Royal Society of Arts, Volume LXVIII, from November 21, 1919, to November 19, 1920. London, G. Bell and Sons, 1920. 838 pp.

Knowles, L. C. A. *The industrial and commercial revolutions in Great Britain during the nineteenth century*. London, G. Routledge and Sons, 1921. xii, 420 pp. London School of Economics and Political Science, Studies. No. 61.

Miner, Clarence E. *The ratification of the federal constitution by the State of New York*. New York, Longmans, Green and Co., 1921. 135 pp. (Columbia University Studies in History, Economics, and Public Law. Whole No. 214.)

National Industrial Conference Board. *Health service in industry*. New York, 1921. iv, 61 pp.

— — — *Problems of labor and industry in Germany*. New York, 1920. 65 pp.

— — — *Proceedings of the Second National Industrial Tax Conference, held in New York City, October 22 and 23, 1920*. New York, 1920. vi, 200 pp.

— — — *Report of the Tax Committee of the National Industrial Conference Board on the federal tax problem, for consideration of the Third National Industrial Tax Conference on January 21 and 22, 1921*. New York, 1920.

Park, Joseph H. *The English Reform Bill of 1867*. New York, Longmans, Green and Co., 1920. 285 pp. (Columbia University Studies in History, Economics, and Public Law. Whole No. 210.)

Smith, C. H. and C. R. Hill. *Rising above the ruins in France, an account of the progress made since the armistice in the devastated regions in reestablishing industrial activities and the normal life of the people*. New York, G. P. Putnam's Sons, 1920. xviii, 247 pp.

Talbot, Frederick A. *Millions from waste*. Philadelphia, J. B. Lippincott Co., 1920. 308 pp.

Webb, Sidney. *Grants in aid; a criticism and a proposal*. New ed. revised and enlarged. New York, Longmans, Green and Co., 1920. viii, 145 pp.

Wood, George A. *William Shirley, Governor of Massachusetts, 1741-1756. A history*. Volume 1. New York, Longmans, Green and Co., 1920. 433 pp. (Columbia University Studies in History, Economics, and Public Law. Whole No. 209.)